

## OLP-82/82P

### SmartClass™ Fiber Power Meter and Microscope



#### Key Features

- Field-portable OPM with multiple calibrated wavelengths from 780 to 1625 nm
- Automated pass/fail analysis for fiber inspection and test
- Supports both industry-standard and user-definable acceptance criteria
- Available with integrated PCM
- Integrated connector certification reports
- Onboard storage for fiber inspection and test results
- Connects to a PC via mini-USB to export data and manage acceptance criteria using FiberChekPRO™ software
- Two USB ports to connect additional devices such as a P5000i microscope
- Automatic fiber-image centering
- Modern, smartphone-style user interface with touch screen
- Rugged, weather-proof design

#### Key Benefits

- **Complete jobs faster, correctly, and on time—the first time**  
Uniquely integrates fiber inspection and test for an efficient, easy-to-use solution that promotes best practices for handling fiber
- **Analysis with pass/fail results on one handheld device**  
Automatically and easily certifies fiber end-face condition and measures optical power making even new technicians fiber experts
- **Easily generates certification reports**  
Prove that work quality meets industry standards and customer specifications
- **Use it anywhere**  
A portable, organized, hands-free carrier for easy use inside homes, at demarcation points, or up on telephone poles and cell towers

The new OLP-82 from JDSU is the first handheld tool to combine pass/fail fiber inspection and optical power measurement (OPM) into one solution. As part of the new JDSU SmartClass Fiber Family, the OLP-82 helps service providers guarantee a lifetime of system performance from their network connectivity and gives contractors an essential tool for delivering best-in-class reliable networks to their customers.

The OLP-82 is ideal for technicians at any skill level with instant pass/fail acceptance results for both end-face quality and OPM in one button push. The OLP-82 can also save test results and generate certification reports to document work quality. Integrating these capabilities into one system helps the OLP-82 drive technician behavior toward implementing today's best practices in a seamless workflow that optimizes efficiency and reliability so they complete the job right—the *first* time.

The handheld OLP-82 can be used anywhere today's fiber technicians go, up poles or down holes. Technicians get ultimate flexibility and performance from this powerful, easy-to-use solution that can help any technician become an instant fiber expert.

## Become an instant fiber expert with SmartClass Fiber

- ✓ **Integration** Combines inspection and testing
- ✓ **Automation** Pass/fail certification
- ✓ **Ease of use** Intuitive smartphone-style user interface



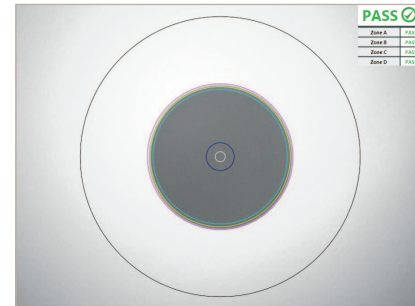
**Intuitive smartphone-style user interface**  
High-contrast, color touch screen with menu icons



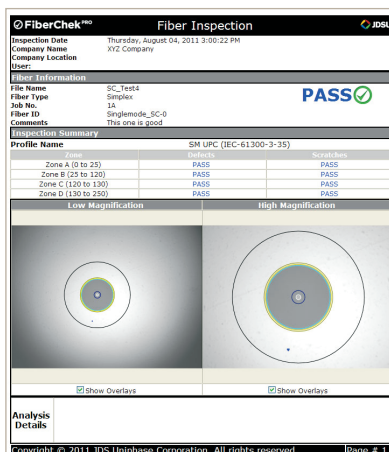
**Accurate measurement and simple operation**  
Make quick, easy dual-wavelength measurements at 850 and 1300 nm or 1310 and 1550 nm using saved reference levels.



**Store inspection and measurement readings on the device**  
Store up to 10,000 measurement results on the device for export to PC.



**User-definable pass/fail acceptance criteria**  
Whether using the IEC 61300-3-35 or customer-specific requirements, users can easily manage user-specified acceptance criteria with dedicated profiles for each requirement.



**Comprehensive data management and report generation**  
Easily generate certification reports that prove your quality of work meets industry standards or customer specifications using FiberChekPRO PC software.

- Easily store measurement data at the press of a button
- Manage data and store results on the instrument
- Download measurement results to a PC via USB interface



## Inspect and test fiber anywhere

### Combines inspection and test in one handheld device

Use either the onboard patch-cord microscope (PCM) or connect a P5000i digital analysis microscope to inspect fiber end faces and eliminate poor-quality components from entering your network

### Benefits of using P5000i and PCM together

- Optimizes technician performance with tools designed for workflow
- Improves network activation with a reliable, repeatable processes
- Safely stores test leads when not in use
- Quickly and easily inspects both female (bulkhead) and male (patch cord) fiber connectors without changing tips

### Automatic image centering

Centers the fiber image on the screen

### Ultimate portability and organization

The hands-free carrier stores all of the essential tools, such as the inspection microscope, visual fault locator, and cleaning materials, in an organized, portable system that you can take with you to every job.

## Specifications

### General

#### General technical (Typical at 25°C)

Weight	1.2 lb (1.4 lb for PCM version)
Dimensions (H x W x D)	
OLP-82	20.83 x 11.18 x 6.35 cm (8.2 x 4.4 x 2.5 in)
OLP-82P	20.83 x 152.4 x 6.35 (8.2 x 60 x 2.5 in)
Video display	3.5 in color LCD, 4:3 ratio
Keypad	11+2 dome-buttons membrane panels 4 LED indicators
Connector	USB 2.0 (2 x host, Type A; 1 x device, Micro-B)
Power source	AC adaptor, battery (Alkaline or rechargeable Li ion), USB port
Run time	
Rechargeable Li ion = (minimum)	8 hours
Alkaline	5 hours
Power mode	Active, Auto-off
Auto-shutoff time	user programmable
Charge time	
AC adaptor	8 hours
USB port	16 hours
Power source	USB port
Certification	CE, IEC/EN61326
Warranty	1 year

### OPM

#### General technical (Typical at 25°C)

Display range	
Standard	-65 to +10 dBm
High power	-50 to +23 dBm
Max. input level permitted	
Standard	+10 dBm
High power	+23 dBm
Standard wavelength settings	850, 980, 1300, 1310, 1490, 1550, 1625 nm
Intrinsic uncertainty <sup>1</sup>	±0.20 dB (±5%)
Linearity <sup>1</sup>	±0.06 dB (-50 to +5 dBm)
Wavelength range	780 to 1650 nm
Wavelength and modulation	
Result display	dBm, dB, MW
Resolution	0.01 dB

### Video Display

#### General technical (Typical at 25°C)

Live image	320 x 240 x 8 bit gray, 10 fps
Light source	Blue LED, 100,000+ hour life
Lighting technique	Coaxial
Low-magnification field-of-view (FOV)	
Horizontal	740 μm
Vertical	550 μm
High-magnification field of view (FOV)	
Horizontal	370 μm
Vertical	275 μm

**Ordering Information**
**Stand-Alone Units**

Part Number	Description
FBP-HD4i	HD4i Digital Handheld Video Display
FBP-HD4iP	HD4iP Digital Handheld Video Display, Dual-Mag Patch Cord Module
2315/01	OLP-82 Digital Handheld Video Display, Integrated Optical Power Meter
2315/03	OLP-82 Digital Handheld Video Display, Integrated High-Power Optical Power Meter
2316/01	OLP-82P Digital Handheld Video Display, Dual-Mag Patch Cord Module, Integrated OPM
2316/03	OLP-82P Digital Handheld Video Display, Dual-Mag Patch Cord Module, Integrated High-Power OPM

**Kits**

FBP-SD4i	HD4i Basic Kit
FBP-SD4i-PRO	HD4i Pro Kit
FBP-SD4iP	HD4iP Basic Kit
FBP-SD4iP-PRO	HD4iP Pro Kit
FIT-8201	OLP-82 Basic Kit
FIT-8201-PRO	OLP-82 Pro Kit
FIT-82P01	OLP-82P Basic Kit
FIT-82P01-PRO	OLP-82P Pro Kit
FIT-82P03	OLP-82P High Power, Basic Kit
FIT-82P03-PRO	OLP-82P High Power, Pro Kit

**Included Items**

Stand-Alone Units
SmartClass Fiber Instrument
Soft Bag for SmartClass Fiber and Accessories
Power Supply for SmartClass Fiber (12 V)
FiberChekPRO Software Installation Disk
USB Cable USB-A to Micro-USB
QuickStart Manual and Safety Instructions
Dry Batteries (8x)
Additional Items in Basic Kits
P5000i Digital Inspection Microscope
Inspection Tips and Adapters (Bulkhead: SC and LC, Patch Cord: 2.5 and 1.25 mm)
1.25 mm OPM Adapter OLP-82/82P
Additional Items in Pro Kits
P5000i Digital Inspection Microscope
Inspection Tips and Adapters (Bulkhead: SC and LC, Patch Cord: 2.5 and 1.25 mm)
1.25 mm OPM Adapter OLP-82/82P
Cleaning Materials for 2.5 and 1.25 mm (Bulkhead and Patch Cord)
Hands-Free Carrier for SmartClass Fiber
Rechargeable Battery for SmartClass Fiber (Li ion)
FFL-050 Visual Fault Locator with 2.5 and 1.25 mm Adapter

**Accessories**

FBPP-PS4	Power Supply for SmartClass Fiber (12V)
FITP-RBP2	Rechargeable Battery for SmartClass Fiber (Li ion)
FITP-UC4	UC4 Hands-Free Carrier for SmartClass Fiber
FITP-UC4P	UC4P Hands-Free Carrier for SmartClass Fiber with PCM
VPP-UPP12	Adapter U12 for OLP-82/82P
VPP-UPP25	Adapter U25 for OLP-82/82P
FBPP-SCASE2	SCASE2 Soft Shoulder Case for SmartClass Fiber Tools

**Test & Measurement Regional Sales**

NORTH AMERICA	LATIN AMERICA	ASIA PACIFIC	EMEA	<a href="http://www.jdsu.com/test">www.jdsu.com/test</a>
TOLL FREE: 1 855 ASK-JDSU 1 855 275-5378	TEL: +1 954 688 5660 FAX: +1 954 345 4668	TEL: +852 2892 0990 FAX: +852 2892 0770	TEL: +49 7121 86 2222 FAX: +49 7121 86 1222	